



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800

[www.deq.virginia.gov](http://www.deq.virginia.gov)

David K. Paylor  
Director

Thomas A. Faha  
Regional Director

Molly Joseph Ward  
Secretary of Natural Resources

August 4, 2016

Mr. Keith C. Dayton  
Deputy County Administrator  
County of Stafford  
P.O. Box 339  
Stafford, Virginia 22555

Location: Stafford County  
Registration No.: 40946

Dear Mr. Dayton:

Attached is a Title V permit to operate your facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all conditions carefully.

This approval to operate does not relieve Rappahannock Regional Solid Waste Management Board (R-Board) of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

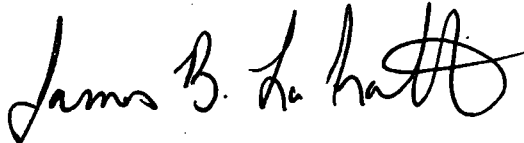
Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Mr. David K. Paylor, Director  
Department of Environmental Quality  
P. O. Box 1105  
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact Mr. Ali Khalilzadeh at 703-583-3839.

Sincerely,

A handwritten signature in black ink, appearing to read "James B. LaFratta". The signature is fluid and cursive, with the first name "James" and last name "LaFratta" clearly distinguishable.

James B. LaFratta  
Regional Air Permit Manager

TAF/JBL/AK/40946TVltr(08-04-16)

Attachment: Permit

cc: Director, OAPP (electronic file submission)  
Manager, Data Analysis (electronic file submission)  
Chief, Air Enforcement Branch (3AP13), U.S. EPA, Region III  
Regional Air Compliance Manager (electronic file submission)



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800

[www.deq.virginia.gov](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

Thomas A. Faha  
Regional Director

### Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated, or expires, the permittee is authorized to operate in accordance with the terms and conditions herein. The permit is issued under the authority of Title 10.1, Chapter 12, § 10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300, of the State Air Pollution Control Board Regulations of the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Rappahannock Regional Solid Waste Management Board (R-Board)
Facility Name:	R-Board Landfill
Facility Location:	489 Eskimo Hill Road, Stafford, Virginia 22554
Registration Number:	40946
Permit Number:	NRO40946
AFS ID:	51-179-00050

This permit includes the following programs:

**Federally Enforceable Requirements – Clean Air Act (Pages 5 through 25)**

**State Enforceable Requirements – SAPCB Regulations (Page 25)**

August 4, 2016

Effective Date

August 3, 2021

Expiration Date

Thomas A. Faha

Thomas A. Faha

Regional Director

August 3, 2016

Signature Date

Table of Contents, 1 page

Permit Conditions, 21 pages

## Table of Contents

<b>Facility Information .....</b>	<b>3</b>
<b>Emission Units .....</b>	<b>4</b>
<b>Landfill Operations Requirements – (Emission Unit ID# 001, F001, F002).....</b>	<b>5</b>
<b>Insignificant Emission Units .....</b>	<b>15</b>
<b>Permit Shield &amp; Inapplicable Requirements.....</b>	<b>16</b>
<b>General Conditions .....</b>	<b>17</b>
<b>STATE-ONLY ENFORCEABLE REQUIREMENTS .....</b>	<b>25</b>

## **Facility Information**

### Permittee

Rappahannock Regional Solid Waste Management Board (R-Board)  
County of Stafford  
P.O. Box 339  
Stafford, Virginia 22555

### Responsible Official

Mr. Keith C. Dayton  
Deputy County Administrator

### Facility

R-Board Landfill  
489 Eskimo Hill Road  
Stafford, Virginia 22554

### Contact Person

Mr. Keith C. Dayton  
Deputy County Administrator  
540-658-5125

Ms. Julie Williams-Daves  
Environmental Manager/Community Outreach  
540-658-4579

**State-County-Plant Identification Number:** 51-179-00050

**Facility Description:** NAICS 562212; SIC 4593 – Municipal Solid Waste (MSW) Landfill  
NAICS 221119; SIC 4911 – Other Electrical Power Generation

The main process occurring at Rappahannock Regional Solid Waste Management Facility (R-Board Landfill) is the sanitary landfilling of non-hazardous solid waste received by commercial and private vehicles. MSW is placed in different Resource Conservation and Recovery Act (RCRA) "Subtitle D" units at the facility. MSW undergoes anaerobic decomposition and produces methane, carbon dioxide, and minor hydrocarbon emissions. Landfill Gas (LFG) produced in the facility is captured and combusted either as a waste product in the facility's permitted flare system, or redirected and sold to Ameresco facility (Registration No: 41050). (Ameresco uses LFG in their two engines to generate electricity sold to the electric utility.) The co-located facilities are considered a single source but not a major source for any regulated Title V pollutant. For administrative purposes, they are under separate registration, having different owners, equipment and responsibilities. Only the R-Board Landfill is subject to 40 CFR Part 60, Subpart WWW (MSW Landfills), which requires it to obtain a Title V Operating Permit.

## Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Landfill Operations</b>							
001	MSW Landfill	MSW Landfill Operations	3.45 million megagrams (Mg)	See Flares below	GCCS	NMOC	5/19/2016 mNSR Permit
<b>LFG Combustion Equipment</b>							
F001	001	Open Flare, LFG Specialties Model CF62114	800 cfm	(Considered landfill NMOC emission control device)	--	NMOC	5/19/2016 mNSR Permit
F002	002	Open Flare, Perennial Energy, Inc., model FL-1483	2000 cfm	(Considered landfill NMOC emission control device)	--	NMOC	5/19/2016 mNSR Permit
003**	003	GE Jenbacher Genset model JGS 320 GS-L.L	30 million Btu/hr; 1468 bhp; 1060 kW	--	--	--	6/20/2007, as amended 3/27/2015 mNSR Permit
004**	004	GE Jenbacher Genset model JGS 320 GS-L.L	30 million Btu/hr; 1468 bhp; 1060 kW	--	--	--	6/20/2007, as amended 3/27/2015 mNSR Permit
005**	005	W.H.O. Tub Grinder model P12-56XSHD with Caterpillar engine model 3412	100 tons/hr; 760 bhp engine	--	--	--	5/19/2016 mNSR Permit

\* The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

\*\* The landfill gas engines (ID #003, 004) operated by Ameresco (Reg. #41050) and the wood waste tub grinder (ID#005) operated by R-Board Landfill are considered part of the same stationary source. However, applicable requirements of only the MSW landfill are addressed in this Title V permit per 9 VAC 5-80-110.A.2.

## **Landfill Operations Requirements – (Emission Unit ID# 001, F001, F002)**

### **Limitations**

1. **NSPS, Subpart WWW Applicability** – The permittee shall comply with all applicable provisions of 40 CFR 60, Subpart WWW (New Source Performance Standards for Municipal Solid Waste Landfills) for the construction and operation of the municipal solid waste (MSW) landfill and gas collection and control system. The permittee shall refer to the most current version of this applicable Federal regulation for additional or revised requirements not included in this permit.  
(9 VAC 5-50-410, 9 VAC 5-80-110, and 40 CFR 60, Subpart WWW [60.750 to 60.759] and Condition 12 of 5/19/16 mNSR Permit)
2. **NESHAP, Subpart AAAA Applicability** – The permittee shall comply with all applicable provisions of 40 CFR 63, Subpart AAAA (National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills, a.k.a. the Landfill MACT). In accordance with the Landfill MACT, the permittee shall develop and implement a “Startup, Shutdown and Malfunction” (SSM) Plan for the facility and maintain a copy on site. Records and reports required by 40 CFR 63, Subpart AAAA, with respect to the SSM plan include:
  - a. Actions taken during a SSM event that are consistent with the SSM plan shall be recorded as required by §63.6(e)(3)(iii) and §63.10(b) and reported in the semi-annual SSM reports submitted as required by §63.6(e)(3)(iii) and §63.10(d)(5). These reports are due on or before September 1<sup>st</sup> (for the semi-annual period of January through June) and March 1<sup>st</sup> (for the semi-annual period of July through December).
  - b. Actions taken during a SSM event that are inconsistent with the SSM plan must be recorded, as required by §63.6(e)(3)(iv), and reported within 2 working days of the event (such as by phone, fax, or email), followed by a letter within 7 working days after the end of the event to the Regional Air Compliance Manager of the DEQ's NRO at the address given in Condition 24, in accordance with §63.10(d)(5). Any new actions that are indicated as appropriate during an SSM event shall be incorporated in a new SSM Plan.  
(9 VAC 5-60-100, 40 CFR 63.1930 through 63.1990, 63.6(e)(3), 40 CFR 63.10(b) & (d), and Conditions 6 and 12 of 5/19/16 mNSR Permit)
3. **Limitations – Landfill Design Capacity** – The Rappahannock Regional Solid Waste Management (R-Board) Landfill, which includes Phase I (unlined disposal area), and Cells A, B, C, D, E, F-1, and F-2 (lined disposal areas), shall not accept more than 3.45 million megagrams (Mg) (or 3.8 million tons) of municipal solid waste (MSW) for disposal at the landfill. An increase in the amount of waste accepted may require a new or amended permit.  
(9 VAC 5-80-110, 9 VAC 5-50-390, and Condition 1 of 5/19/16 mNSR Permit)

**4. Limitations - LFG Collection and Control System: Design and Operational Standards -**  
The permittee shall operate an active landfill gas (LFG) collection and control system which:

- a. Is designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;
- b. Collects gas from each area, cell or group of cells in which initial solid waste has been in place for a period of:
  - i. Five years or more if active; or
  - ii. Two years or more if closed or at final grade;
- c. Collects gas at a sufficient extraction rate; upon maturation of the landfill and full implementation of the gas collection system, the gas collection system shall meet the requirements of 40 CFR 60.753.
- d. Is operated with each wellhead under negative pressure except as provided 40 CFR 60.753(b);
- e. Is operated with each interior wellhead in the collection system having a landfill gas temperature less than 55 °C and having either:
  - i. A nitrogen content less than twenty percent, as determined by EPA Method 3C; or
  - ii. An oxygen content less than five percent, as determined by EPA Method 3A, or 3C, given exceptions listed in 40 CFR 60.753(c)(2);

The permittee may establish a higher operating temperature, nitrogen, or oxygen value at a particular well. A higher operating value demonstration shall show supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

- f. Is designed to minimize off-site migration of subsurface gas;
- g. Controls landfill gas emissions by routing the collected landfill gas to:
  - i. A treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system is subject to the requirements listed in 40 CFR 60.752 (b)(2)(iii)(A) or (B); and/or
  - ii. The open flares (Ref. #'s F001 and F002). The open flares must meet the criteria in 40 CFR 60.18;



- h. Maintains the methane concentration at the surface of the landfill at less than 500 ppmv above the background level.

(9 VAC 5-80-110, 40 CFR 60.752(b)(2)(ii)(A), 40 CFR 60.752(b)(2)(iii), 40 CFR 60.753(a), 40 CFR 60.753(c), and Condition 3 of 5/19/16 mNSR Permit)

- 5. **Limitations - Open Flare Requirements** - The open flare system (Ref. #'s F001, F002) shall be designed and operated in accordance with 40 CFR 60.18 except as noted in 40 CFR 60.754 (e)). The nonassisted flares shall combust landfill gas with a net heating value of 200 Btu/scf or greater, and an exit velocity less than 60 ft/sec. Prior DEQ approval is required for the flares to be designed and operated with a higher exit velocity but less than 400 ft/sec, as specified in 40 CFR 60.18 (c) (4) (ii) or (iii), and based on calculation of higher net heating value and maximum permitted velocity, as stated in 40 CFR 60.18 (f) (3) – (6). Each flare shall be maintained and operated in accordance with the manufacturer's written instructions and recommendations. The open flare system shall be in operation when the landfill gas collection system is operating and landfill gas is routed to the flare(s). The open flare system shall be provided with adequate access for inspection.  
(9 VAC 5-80-110, 40 CFR 60.18 (c) (4), and Condition 5 of 5/19/16 mNSR Permit)

- 6. **Limitations – Fugitive Dust Emission Controls** – Unless otherwise specified, dust emission controls shall include the following or equivalent as a minimum:

- a. Dust from grading, cell construction, waste compaction, application of daily cover, wood waste chipping operations, storage piles, and traffic areas shall be controlled by wet suppression or equivalent (as approved by DEQ) control measures.
- b. All material being stockpiled shall be kept moist to control dust during storage and handling, or covered to minimize emissions.
- c. Dust from haul roads shall be controlled by wet suppression and prompt removal of dried sediment resulting from soil erosion and dirt spilled or tracked onto paved surfaces within the landfill.
- d. Reasonable precautions shall be taken to prevent deposition of dirt on public roads and subsequent dust emissions. Dirt spilled or tracked onto paved surfaces shall be promptly removed to prevent particulate matter from becoming airborne.

(9 VAC 5-80-110, 9 VAC 5-50-90, and Condition 7 of 5/19/16 mNSR Permit)

- 7. **Limitations – Operation of LFG Collection and Control System** – The LFG control system shall be in operation at all times when the collected gas is routed to the system. The LFG Collection System shall be shut down and all valves in the collection and control system allowing atmospheric venting of LFG shall be closed within one hour if the GCCS is inoperable.

(9 VAC 5-80-110, 40 CFR 60.753 (e), and Condition 9 of 5/19/16 mNSR Permit)

8. **Limitations – Fuel** – The approved fuel for the open flares (Ref. #'s F001, F002) is landfill gas (LFG) with minimum heat content of 200 Btu/scf HHV. Natural gas or LP gas including propane may be used as fuel for the pilot. The flares (Ref. #'s F001, F002) combined shall use no more than 550 million standard cubic feet per year (scf/yr) of landfill gas, with the backup flare (Ref. # F001) limited to 20 million scf/yr, calculated monthly as the sum of the previous consecutive twelve months' usage.

(9 VAC 5-80-110, and Condition 10 of 5/19/16 mNSR Permit)

9. **Limitations – Removal of Collection and Control System** – The collection and control system may be shut down or removed provided the following conditions are met:

- a. The landfill shall be a closed landfill as defined in 40 CFR 60.751 and under the requirements of 9 VAC 20-80-250E. A closure report shall be submitted to the Administrator as provided in 40 CFR 60.757 (d), and stated in Condition 25 (Closure Report).
- b. The collection and control system shall have been in operation a minimum of fifteen years; and
- c. Following the procedures specified in 40 CFR 60.754 (b), the calculated (Non-Methane Organic Compounds) NMOC gas produced by the landfill shall be less than 23 megagrams per year on three successive test dates. The test dates shall be no less than ninety days apart, and no more than 180 days apart.

(9 VAC 5-80-110, 40 CFR 60.752, and Condition 11 of 5/19/16 mNSR Permit)

10. **Limitations - Emission Limits** - Emissions from the operation of the landfill gas collection and control system shall not exceed the limits specified below:

PM-10	2.3 tons/yr
Sulfur Dioxide	2.1 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	9.4 tons/yr
Carbon Monoxide	52.8 tons/yr
Volatile Organic Compounds	0.3 tons/yr
NMOC	0.7 tons/yr
HCl	1.0 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits and emission factors supplied by the permittee. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits shall be determined as stated in Condition numbers 4, 5, 7, and 8. (9 VAC 5-80-110, and Condition 16 of 5/19/16 mNSR Permit)

- 11. Limitations – Visible Emission Limit for Open Flares** – Each open flare shall be operated with no visible emissions, as determined by EPA Method 22 (reference 40 CFR 60, Appendix A), except for periods not to exceed a total of five minutes during two consecutive hours. This condition applies at all times except during startup, shutdown and malfunction. (9 VAC 5-80-110, and Condition 18 of 5/19/16 mNSR Permit)

### **Monitoring**

- 12. Monitoring – LFG Collection System and Surface Monitoring Requirements** – The operation of the gas collection system shall be monitored monthly as follows:

- a. Gauge pressure, each well.
- b. LFG temperature, each active well.
- c. Nitrogen concentration or oxygen concentration, each active well.

(9 VAC 5-80-110, 40 CFR 60.756, and Condition 23 of 5/19/16 mNSR Permit)

- 13. Monitoring - LFG Collection System and Surface Monitoring Requirements** – To demonstrate compliance with the limit on methane concentration at the surface of the landfill as given in Condition 4.h (not to exceed 500 ppm above background), the landfill gas collection areas shall be monitored for methane according to the surface monitoring design plan, that is maintained on site, as stated in Condition in 23.o, and in the following manner:

- a. Using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications of 40 CFR 60.755(d).
- b. For the existing landfill cells, on a quarterly basis and consistent with the pattern provided in the Surface Monitoring Design Plan, or any approved updates.
- c. For the new Cells F-1 and F-2, methane surface monitoring shall begin within the first quarter after installation of a gas control system for the cell, and then quarterly thereafter in accordance with a revised Surface Monitoring Design Plan to include Cells F-1 and F-2.

- d. In accordance with section 4.3.1 of Reference Method 21 of Appendix A of 40 CFR Part 60, except that the probe inlet shall be placed within 5 to 10 centimeters of the ground.
- e. Monitoring shall be conducted during typical meteorological conditions.
- f. Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

(9 VAC 5-80-110, 40 CFR 60.756, and Condition 24 of 5/19/16 mNSR Permit)

**14. Monitoring – LFG Control System Monitoring Requirements** - The operation of the gas control system shall be monitored as follows:

- a. Gas flow to the flare(s), recorded at least once every fifteen minutes.
- b. For the open flares, the presence of the pilot flame or the flare flame shall be continuously monitored by a heat-sensing device and recorded when landfill gas is being routed to the open flares.

(9 VAC 5-80-110, 40 CFR 60.756(c), and Condition 25 of 5/19/16 mNSR Permit)

**15. Monitoring Device Specifications** - Each monitoring device shall be installed, maintained, calibrated and operated in accordance with approved procedures which shall include, as a minimum, the manufacturer's written requirements or recommendations.

(9 VAC 5-80-110 and Condition 26 of 5/19/16 mNSR Permit)

**16. Monitoring – Landfill Cover Integrity** – The permittee shall implement a monitoring program for cover integrity and implement cover repairs as necessary on a monthly basis , in accordance with 40 CFR 60.755(c)(5).

(9 VAC 5-80-110, 40 CFR 60.755(c)(5), and Condition 27 of 5/19/16 mNSR Permit)

**Corrective Actions**

**17. Corrective Actions – Positive Gauge Pressure at Well Head** - If positive gauge pressure exists at any well head during the monthly monitoring required in Condition 12, action shall be initiated to correct the exceedance within five days, except under the following conditions: when there is a fire or increased well temperature; when an alternative pressure limit was established in the design plan as a result of the use of a geomembrane or synthetic cover; and directly after shutdown of a well. If a negative pressure cannot be achieved without excess air infiltration within fifteen days of the first measurement, the gas collection system shall be

expanded to correct the exceedance within 120 days of the initial measurement of positive pressure. Any attempted corrective measure shall not cause exceedance of other operational or performance standards. An alternative schedule may be submitted to Regional Air Compliance Manager of the DEQ's NRO for approval. As long as the specified actions are taken, the exceedance(s) are not a violation of the operational requirements of this permit or 40 CFR 60.753.

(9 VAC 5-80-110, 40 CFR 60.755(a)(3), and Condition 29 of 5/19/16 mNSR Permit)

- 18. Corrective Actions - Exceedance of Temperature and Oxygen or Nitrogen Standards at Active Well Head** - If conditions at an active well head equal or exceed 55°C (131°F) and five percent oxygen concentration or twenty percent nitrogen concentration during the monthly monitoring required in Condition 12, action shall be initiated to correct the exceedance within five days. If correction of the exceedance cannot be achieved within fifteen days from the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 days of the initial exceedance. Any attempted corrective measure shall not cause an exceedance of other operational or performance standards. An alternative schedule may be submitted to the Regional Air Compliance Manager of the DEQ's NRO for approval. As long as the specified actions are taken, the exceedance(s) are not a violation of the operational requirements of this permit or 40 CFR 60.753.  
(9 VAC 5-80-110, 40 CFR 60.755(a)(5), and Condition 30 of 5/19/16 mNSR Permit)

- 19. Corrective Actions - Exceedance of Landfill Surface Methane Emission Standard** - If surface emissions of methane equal or exceed 500 parts per million above background during the quarterly monitoring required in Condition 13, actions shall be taken as follows:

- a. The location of each monitored exceedance shall be marked and the location recorded.
- b. Maintenance to the landfill cover or adjustment to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made. The location shall be re-monitored within ten days of detecting and exceedance.
- c. If re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be re-monitored again within ten days of the second exceedance.
- d. For any location which shows an exceedance three times within a quarterly period, a new well or other collection device shall be installed within 120 days of the initial exceedance. An alternative remedy to correct the exceedance and an alternative time line to complete the remedy may be submitted to the Regional Air Compliance Manager of the DEQ's NRO for approval.
- e. Any location that initially showed an exceedance, but has a methane concentration less than 500 parts per million above background after the first or second ten-day re-

monitoring shall be re-monitored one month from the initial exceedance. If the one-month re-monitoring shows no exceedance, no further monitoring is required at that location until the next quarterly monitoring period. If the one-month re-monitoring shows an exceedance, then follow the steps in (c) and (d) above.

As long as the specified actions are taken, the exceedance(s) are not a violation of the operational requirements of this permit or 40 CFR 60.753.

(9 VAC 5-80-110, 40 CFR 60.755(c)(4), and Condition 31 of 5/19/16 mNSR Permit)

### **Testing**

20. **Testing – Stack Tests** - Upon request by the DEQ, the permittee shall conduct additional performance testing of the open flares (Ref. #'s F001, F002) to demonstrate compliance with the net heating value determination and exit velocity determination as stated in 40 CFR 60.754 (e). The details of the tests shall be arranged with the Regional Air Compliance Manager of the DEQ's NRO.  
(9 VAC 5-80-110 and Condition 20 of 5/19/16 mNSR Permit)
21. **Testing – Visible Emissions Evaluation** - Upon request by the DEQ, the permittee shall conduct additional visible emission evaluations (VEE) of the open flares (Ref. #'s F001, F002) to demonstrate compliance with the visible emission limits contained in this permit. The details of the VEE shall be arranged with the Regional Air Compliance Manager of the DEQ's NRO.  
(9 VAC 5-80-110 and Condition 21 of 5/19/16 mNSR Permit)
22. **Testing – GCCS Testing/Monitoring Ports** – The facility shall be constructed or modified so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate test methods specified in 40 CFR 60 Subpart WWW, as applicable; 40 CFR 60 Appendix A, as applicable; or as determined by the Air Compliance Manager, Northern Regional Office, in consultation with the permittee. Sampling ports shall be provided when requested by the DEQ at the appropriate locations and safe sampling platforms and access shall be provided.  
(9 VAC 5-80-110 and Condition 22 of 5/19/16 mNSR Permit)

### **Recordkeeping**

23. **Recordkeeping – On-Site Records** - The permittee shall maintain records of all emissions data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be agreed upon with the Regional Air Compliance Manager of the DEQ's NRO. These records shall include, but are not limited to:

- a. Current maximum design capacity report, which triggered 40 CFR 60.752(b), current amount of refuse in place, and year by year refuse accumulation rates.
- b. Description, location, amount, and placement date of all non-degradable refuse including asbestos and demolition refuse placed in landfill areas which are excluded from landfill gas collection and control.
- c. A copy of the most recently approved gas collection and control system design plan (including Cells F-1 and F-2), in accordance with the requirements of 40 CFR 60, Subpart WWW.
- d. The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures listed in 40 CFR 60.759(a)(1).
- e. All decommissioned wells and supporting documentation to show the reason for decommissioning each well.
- f. Installation date, location and construction details of all newly installed vents, wells and flares.
- g. Map or plot showing each existing and planned well in the gas collection system with each well uniquely identified.
- h. Maximum expected gas generation flow rate as calculated in 40 CFR 60.755(a)(1), or by other means as approved by the Regional Air Compliance Manager of the DEQ's NRO.
- i. Total annual landfill gas flow to the open flares, recorded monthly, as the sum of each consecutive twelve-month period.
- j. Monthly well field results demonstrating compliance with Condition 12.
- k. Gas control system monitoring results demonstrating compliance with Condition 14.
- l. Value and length of time for exceedance of applicable parameters monitored under sections 40 CFR 60.756 (a), (b), (c), and (d) (also in permit Conditions 12 - 14).
- m. Specific corrective action(s) taken pursuant to Conditions 17, 18, and 19, including date corrective action(s) was taken, date re-monitoring occurred and re-monitoring result(s).
- n. All occurrences of the LFG collection or control system shut down that are greater than or equal to one hour in duration. These records shall include date, duration of time, and reason the system was inoperable.

- o. A copy of the most recent surface methane monitoring design plan (including Cells F-1 and F-2). The design plan shall include a topographic map with the monitoring route around the perimeter of the collection area and along a pattern that traverses the landfill at 30 meter intervals and the rationale for any site-specific deviations from the 30 meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.
- p. Results of quarterly surface monitoring demonstrating compliance with Condition 13.
- q. A copy of the facility SSM plan, as required by 40 CFR 63, Subpart AAAA.
- r. A copy of semi-annual compliance reports, including SSM plan report, as required in Condition 24.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.

(9 VAC 5-80-110, 40 CFR 60.758, and Condition 33 of 5/19/16 mNSR Permit)

## **Reporting**

**24. Reporting – Semi-Annual Compliance Report** – A semi-annual compliance report shall be submitted to the Regional Air Compliance Manager of the DEQ's NRO by the dates specified below and shall contain the following:

- a. Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756 (a), (b), (c), and (d) (or permit Conditions 12 - 14).
- b. Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of bypass flow as specified under 40 CFR 60.756 (or permit Condition 14).
- c. All periods when the collection system was not operating in excess of five days;
- d. The location of each exceedance of the 500 parts per million surface methane concentration as provided in 40 CFR 60.753(d) (or permit Condition 13), and the concentration recorded at each location for which an exceedance was recorded in the previous month;
- e. Description and duration of all periods when the control device was not operating for a period exceeding one hour and length of time the control device was not operating;
- f. The date of installation and the location of each well or collection system expansion



added pursuant to 40 CFR 60.755 (a) (3), (b), and (c) (4); or added as part of the expansion of the collection system associated with new Cells F-1 and F-2;

g. SSM Plan Report, as stated in Condition 2 and 40 CFR 63.1980.

The semi-annual reports shall cover the two semi-annual periods (January through June and July through December) of each calendar year to the DEQ at the following address:

Regional Air Compliance Manager  
Department of Environmental Quality (DEQ)  
Northern Regional Office  
13901 Crown Court  
Woodbridge, VA 22193

One copy of the reports shall be submitted to U.S. Environmental Protection Agency at the following address:

Associate Director  
Office of Air Enforcement (3AP20)  
U.S. Environmental Protection Agency (EPA), Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

The semi-annual reports, to include 40 CFR 63 NESHAP Subpart AAAA reports (Subsection 63.1930), shall be submitted by March 1 and September 1 of the calendar year.  
(9 VAC 5-80-110, 40 CFR 60.757, 40 CFR 63.1980, and Condition 34 of 5/19/16 mNSR Permit)

25. **Reporting – Closure Report** - The permittee shall submit a closure report to the Regional Air Compliance Manager of the DEQ's NRO, within thirty days of the date the landfill stopped accepting municipal solid waste as required by 40 CFR 60, Subpart WWW.  
(9 VAC 5-80-110, 40 CFR 60.757(d), and Condition 35 of 5/19/16 mNSR Permit)
26. **Reporting – Control Equipment Removal Report** - The permittee shall submit an equipment removal report to the Regional Air Compliance Manager of the DEQ's NRO, at least thirty days prior to the removal or cessation of operation of the control equipment.  
(9 VAC 5-80-110, 40 CFR 60.757(e), and Condition 36 of 5/19/16 mNSR Permit)

### **Insignificant Emission Units**

27. **Insignificant Emission Units** – The following emission units related to landfilling and gas collection and control system (GCCS) at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
T3	One (1) Above Ground Leachate Tank	9 VAC 5-80-720.B	VOC	50,000 gallons

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for those emission units in accordance with 9 VAC 5-80-110.

### Permit Shield & Inapplicable Requirements

28. **Permit Shield & Inapplicable Requirements** – Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 60, Subpart Kb	Volatile Organic Liquid Storage Vessels	The leachate stored in storage tank (T3) has vapor pressure less than the NSPS Kb specified threshold limits.
40 CFR 64	Compliance Assurance Monitoring	The landfill is subject to an NSPS that was proposed after 11/15/1990; therefore the regulation is not applicable.
9 VAC 5, Rule 4-43	Emission Standards for Municipal Solid Waste Landfills	Existing Source Rule for MSW Landfills no longer applies, since the facility was modified after 05/30/91, and its capacity makes it subject to 40 CFR 60, Subpart WWW.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicability requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law, or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

## **General Conditions**

29. **Federal Enforceability** – All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.  
(9 VAC 5-80-110N)
30. **Permit Expiration** – This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D, and 9 VAC 5-80-170 B)
31. **Permit Expiration** – The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110D, and 9 VAC 5-80-170 B)
32. **Permit Expiration** – If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110D, and 9 VAC 5-80-170 B)
33. **Permit Expiration** – No source shall operate after the time that is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II or 9 VAC 5 Chapter 80.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110D, and 9 VAC 5-80-170 B)
34. **Permit Expiration** – If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board Fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110D, and 9 VAC 5-80-170 B)
35. **Permit Expiration** – The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant to section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the board any additional information identified as being needed to process the application.  
(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D, and 9 VAC 5-80-170 B)

**36. Recordkeeping and Reporting** – All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a. The date, place as defined in the permit, and time of sampling or measurement;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analysis;
- d. The analytical techniques or methods used;
- e. The results of such analyses;
- f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110F)

**37. Recordkeeping and Reporting** – Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

**38. Recordkeeping and Reporting** – The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. The report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
- b. All deviations from permit requirements. For the purpose of this permit, deviations include , but are not limited to:
  - i. Exceedance of emissions limitations or operational restrictions;
  - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates as exceedance or emissions limitation or operational restriction; or

iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”

(9 VAC 5-80-110 F)

**39. Annual Compliance Certification** – Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to the EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a) (3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the certification. The time period to be addressed is January 1 to December 31.
- b. The identification of each term or condition of the permit that is the basis for the certification.
- c. The compliance status.
- d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
- e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
- f. Such other facts as the permit may require to determine compliance status of the source.
- g. One copy of the annual compliance certification shall be submitted to EPA in an electronic format only. The certification document should be sent to the following electronic mailing address: R3\_APD Permits@epa.gov

(9 VAC 5-80-110 K.5)

40. **Permit Deviation Reporting** - The permittee shall notify the Regional Air Compliance Manager of the DEQ's NRO within four daytime business hours after discovery of any deviations from the permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within fourteen (14) days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 34 of this permit. (9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)
41. **Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall (i) no later than four daytime business hours after the malfunction is discovered, notify the Regional Air Compliance Manager of the DEQ's NRO of such failure or malfunction and within fourteen (14) days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Regional Air Compliance Manager of the DEQ's NRO. (9 VAC 5-20-180 C)
42. **Severability** - The terms of this permit are severable. If any condition, requirement, or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit. (9 VAC 5-80-110 G.1)
43. **Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law, or both and is grounds for enforcement action; for permit termination, revocation, and reissuance, or modification; or, for denial of a permit renewal application. (9 VAC 5-80-110 G.2)
44. **Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. (9 VAC 5-80-110 G.3)
45. **Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAV 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit

modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

46. **Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9 VAC 5-80-110 G.5)
47. **Duty to Submit Information** – The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking, reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9 VAC 5-80-110 G.6)
48. **Duty to Submit Information** – Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.  
(9 VAC 5-80-110 K.1)
49. **Duty to Pay Permit Fees** – The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15<sup>th</sup> of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.  
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)
50. **Fugitive Dust Emission Standards** – During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
  - b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
- d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and
- e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

- 51. General Conditions – Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E)

- 52. Alternative Operating Scenarios** – Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenarios in which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

- 53. Inspection and Entry Requirements** – The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
- b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
- c. Inspect at reasonable times any facility, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.



- d. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. .

(9 VAC 5-80-110 K.2)

**54. Reopening For Cause** – The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:

- a. A permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The permit shall be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

**55. Permit Availability** – Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

**56. Transfer of Permits** – No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.

(9 VAC 5-80-160)

**57. Transfer of Permits** – In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within thirty (30) days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.

(9 VAC 5-80-160)

**58. Transfer of Permits** – In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall

notify the Board of the change in source name within thirty (30) days of the name change and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)

59. **Permit Revocation or Termination for Cause** – A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects, or refuses to comply with the terms or conditions of the permit, or any applicable requirements, or the provisions of 9 VAC 5 Chapter 80, Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.  
(9 VAC 5-80-190 C and 9 VAC 5-80-260)
60. **Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of the draft permit.  
(9 VAC 5-80-80-E)
61. **Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subpart A to F.  
(40 CFR Part 82, Subpart A-F)
62. **Asbestos Requirements** - The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), Standards for Waste Disposal (40 CFR 61.150), and Standards for Active Waste Disposal Sites (40 CFR 61.154).  
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)
63. **Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.  
(40 CFR Part 68)
64. **Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emission trading and other similar programs or processes for changes that are provided for in this permit.  
(9 VAC 5-80-110 I)

**65. Emissions Trading** - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

- a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
- b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
- c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

#### **STATE-ONLY ENFORCEABLE REQUIREMENTS**

**66. State-Only Enforceable Requirements** – The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected States.

9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions

(9 VAC 5-80-110 N and 9 VAC 5-80-300)